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COMNAVAIRPACINST 4790.60/  
COMNAVAIRLANTINST 4790.60/  
COMNAVAIRESFORINST 4790.19  
NAVAIRPAC N422C4  
NAVAIRLANT N422  
NAVAIRESFOR N422A7

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COMNAVAIRPAC INSTRUCTION 4790.60/COMNAVAIRLANT INSTRUCTION 4790.60/  
COMNAVAIRESFOR INSTRUCTION 4790.19

Subj: SIMILAR TO AUTOMATED MAINTENANCE ENVIRONMENT (SAME)

Ref: (a) OPNAVINST 4790.2G  
(b) NAVAIRINST 13650.1C  
(c) NAVAIRINST 13920.1H  
(d) SAME Server Administration Manual  
(e) SAME Operator's Manual  
(f) O-Level SAME Data Stripping Operator's Manual  
(g) SAME Reference Guide  
(h) COMNAVAIRPACINST 4350.3 Series/COMNAVAIRLANTINST 4350.3 Series/  
COMNAVAIRESFOR 4350.1 Series

Encl: (1) F/A-18 AIMD/MALS Amplifying Instructions  
(2) Primary/Alternate SAME Operator OJT Syllabus  
(3) SAME Admin Daily Checklist  
(4) SAME System Point of Contact Listing  
(5) SAME System Hardware Warranty Information  
(6) Same Firewall Connectivity Troubleshooting  
(7) SAME Situation Summary Message Example  
(8) F/A-18 Squadron Amplifying Instructions

1. Purpose. To establish policy and procedures relative to the utilization and logistic support for the Similar to Automated Maintenance Environment (SAME) as it applies to the F/A-18 aircraft.

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2. Scope. This instruction applies to all Commander, Naval Air Force, U.S. Pacific Fleet (COMNAVAIRPAC), Commander, Naval Air Force, U.S. Atlantic Fleet (COMNAVAIRLANT), and Commander, Naval Air Reserve Force (COMNAVAIRESFOR) activities supporting F/A-18 aircraft.

3. Background. As technology has progressed in the design of naval aircraft, a concept has evolved based on reliability Centered Maintenance (RCM)/On-Condition Maintenance (OCM). RCM is maintenance, which enables equipment to perform its task with a specific probability of success at the lowest possible total cost for system operation and the support over the life cycle. OCM is based on replacement or change of aircraft and engine components and the performance of scheduled maintenance only when necessary to preclude operational failures or degradation of weapon systems performance. OCM requires monitoring of selected aircraft/engine parameters and tracking of selected life limited component parts. The F/A-18 aircraft has the capability to support OCM as a result of built in design features. To facilitate OCM, selected airframe, engine and designated aircraft component information is recorded on a Tape Transport Module (TTM)/Data Storage Unit (DSU), which are stripped by the Aircraft Data Interface Device (ADID)/Data Storage Unit Reader SCSI (DSURS). This data, when combined with inputs from Maintenance Action Forms (MAF) and the Naval Flight Records Subsystem (NAVFLIRS), provides a database for detailed analysis of aircraft/engine performance, aircraft/engine life limited items material usage and life remaining, flight time and in-flight airframe structural loading. This data is used to validate and refine predicted fatigue life and ultimately affects aircraft components and engine service life.

4. Action. All activities supporting F/A-18 aircraft shall comply with the following:

a. Carrier Air Wing Commanders/Marine Air Wing Commanders shall:

(1) Ensure compliance with this instruction and references (a) through (h) as applicable, by subordinate units.

(2) Designate in writing a Program Coordinator whose responsibilities are as follows:

(a) Ensure Network connectivity for all SAME related hardware including servers and workstations and SAME system is fully operational.

NOTE: Liaison between Combat Systems Office(shipboard), shore station supporting information systems organization (i.e. RITSC, IRMD, DITC, or ADP/CS3 department) and cognizant Network Operations Centers (NOCs may be necessary to ensure connectivity is open for two-way communication.

(b) Ensure SAME-related hardware is fully functional and Periodic Maintenance is performed as required.

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(c) Review Squadron SAME Situational Summaries and provide assistance as necessary.

(d) Review SAME Report 72T quarterly.

(e) Liaison between squadrons and AIMDs as necessary.

b. Aircraft Intermediate Maintenance Department (AIMD) Officers/ Marine Aircraft Logistics Squadron (MALS) Maintenance Officers (MOs) shall:

(1) Ensure compliance with this instruction, references (a) through (h), and enclosure (1) through (3).

(2) Be responsible for the management and operation of the SAME System.

(3) Ensure a minimum of two personnel are designated as SAME operators in the Monthly Maintenance Plan. SAME operators should have a minimum of 18 months remaining onboard. Additional Logs and Records clerks may be trained and qualified as a SAME operator.

(4) Ensure SAME operators complete NAMTRAU SAME course (C150-3871 CDP 5747 (COMNAVAIRLANT) or CDP 5748 (COMNAVAIRPAC)).

(a) Upon completion of the SAME course, receive periodic OJT from a Naval Air Technical Data and Engineering Service Command (NATEC)/Value System Services (VSS) SAME Technical Representative using enclosure (2).

(5) Ensure designated alternate SAME operators receive a minimum of 1 hour OJT each month using enclosure (2).

(6) Ensure technical directives and software changes are incorporated on the intermediate maintenance SAME server within required timelines.

(7) Ensure SAME hardware accountability is maintained. Maintain current local inventory sheet with hardware Nomenclature, Part Number, Serial Number, Quantity and Location.

(8) Become familiar with SAME System Point of Contact Listing outlined in enclosure (4).

(9) Become familiar with Hardware Warranty procedures outlined in enclosure (5).

(10) Become familiar with SAME Firewall Connectivity Troubleshooting outlined in enclosure (6).



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(11) Ensure every effort is made to request assistance for repair or technical assistance when SAME system is non-operational. Contact local NATEC SAME Technical Representatives prior to VSS help desks. If local NATEC representative/VSS Representative is unable to bring your SAME system back to operational status, submit NATEC assist message IAW reference (h).

(12) Ensure SAME Situational Summaries (SITSUM) are submitted using enclosure (7) as a guide and as follows:

(a) Submit SAME SITSUM's message within 48 hours after failure of system.

(b) Ensure detailed information is included on problems encountered and corrective action taken.

(c) Ensure appropriate Type Commander is the to Addressee, and info COMNAVAIRSYSCOM Code PMA-265, appropriate Type Wing and Carrier Air Wing/Marine Aviation Logistics Squadron.

c. Squadron Maintenance Officer shall:

(1) Ensure compliance with this instruction and references (a) through (h), and enclosures (2), (3), (7), and (8).

(2) Be responsible for the management and operation of the SAME System.

(3) Ensure a minimum of two personnel are designated as SAME operators in the Monthly Maintenance Plan. SAME operators should have a minimum of 18 months remaining onboard. Additional Logs and Records clerks may be trained and qualified as a SAME operator.

(4) Ensure SAME operators complete NAMTRAU SAME course (C150-3871 CDP 5747 (COMNAVAIRLANT) or CDP 5748 (COMNAVAIRPAC)).

(a) Upon completion of the SAME course, receive periodic OJT from a Naval Air Technical Data and Engineering Service Command (NATEC)/Value System Services (VSS) SAME Technical Representative using enclosure (2).

(5) Ensure designated alternate SAME operators receive a minimum of 1 hour OJT each month using enclosure (2).

(6) Ensure technical directives and software changes are incorporated on the organizational maintenance SAME server within required timelines.

(7) Ensure SAME hardware accountability is maintained. Maintain current local inventory sheet with hardware Nomenclature, Part Number, Serial Number, Quantity and Location.

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(8) Become familiar with SAME System Point of Contact Listing outlined in enclosure (4).

(9) Become familiar with Hardware Warranty procedures outlined in enclosure (5).

(10) Become familiar with SAME Firewall Connectivity Troubleshooting outlined in enclosure (6).

(11) Ensure every effort is made to request assistance for repair or technical assistance when SAME system is non-operational. Contact local NATEC SAME Technical Representatives prior to VSS help desks. If local NATEC representative/VSS Representative is unable to bring your SAME system back to operational status, submit NATEC assist message IAW reference (h).

(12) Ensure SAME Situational Summaries (SITSUM) are submitted using enclosure (7) as a guide and as follows:


(a) Submit SAME SITSUM's message within 48 hours after failure of system.


(b) Ensure detailed information is included on problems encountered and corrective action taken.

(c) Ensure appropriate Type Commander is the to Addressee, and info COMNAVAIRSYSCOM Code PMA-265, appropriate Type Wing and Carrier Air Wing/Marine Aviation Logistics Squadron.

(13) Ensure SAME Detachment Host Archive Transfer Files and SAFE Transfer files are manually applied NLT the first working day upon return from a detachment.

  
E. C. NEIDLINGER  
Chief of Staff  
COMNAVAIRLANT

  
E. D. WATSON  
Chief of Staff  
COMNAVAIRESFOR

  
T. J. KILCLINE  
Chief of Staff  
COMNAVAIRPAC

Distribution:  
SNDL Parts 1 and 2

Stocked by:  
COMNAVAIRPAC (N004)

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F/A-18 AIMD/MALS AMPLIFYING INSTRUCTIONS

1. Background. The "I" level SAME system database contains the assets that are in the custody of the respective "I" level. The database is used to identify usage driven maintenance and to update the asset data as "I" level maintenance is completed on F/A-18 F414-GE-400/F404-GE-400/402 engines, components and modules. Each "I" level database resides on an "I" level server.

2. AIMD/MALS responsibilities. The following specific responsibilities shall be performed.

a. Maintenance Material Control Officer/Production Control Officer shall:

(1) Be responsible for the management and operation of the SAME program.

(2) Have an understanding of the SAME system, its application and effect on aviation maintenance.

(3) Ensure the SAME system hardware is not loaned or transferred to other activities unless specifically approved by TYCOM/TYPE WING/MAW.

(4) Ensure SAME Life Used Indices (LUI) tracking reports and applicable Aeronautical Equipment Service Records (AESRs) are verified upon engine acceptance, prior to transfer or test cell WAG time.

(a) Ensure engine/module verification consists of verifying SAME reports against the F414-GE-400/F404-GE-400/402 engine/module with the applicable AESR and the SAME Report 72N.

(b) Ensure SAME generated 72T/72N reports (Engine Transfer/Engine Configuration) are used to transfer assets.

(5) Ensure all applicable MAFs are routed to the SAME operator to ensure accurate accounting in SAME.

(6) Ensure SAME operators are aware of any Part Number (P/N) configuration changes resulting from Technical Directives (TD) incorporation.

(7) Ensure Engine Test Cell run times are provided to the SAME operator to manually update LUI data. Refer to WAG formulas to ensure calculations are done properly.

(8) Ensure each removal/installation of the Main Fuel Control, Work Unit Code (WUC) 2747400 during "I" Level maintenance is recorded in SAME.

Enclosure (1)

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- (9) Ensure operator passwords are changed at least semi-annually or:
  - (a) At the time of, change or transfer of SAME operators.
  - (b) An operator reports his/her password has been compromised.
- b. Quality Assurance shall:
  - (1) Audit SAME Program using Type Commander Program Area Supplemental Checklist.
- c. Power Plants Branch shall:
  - (1) Ensure when engines or modules tracked by the SAME system are transferred between activities for any reason, that applicable SAME reports accompany components.
  - (2) Ensure a full inventory of repairable, non-repairable components, accessories and applicable SAME reports accompany all engines or modules transferred between activities. Non-RFI components and accessories that are installed as a result of cannibalization will be clearly tagged and an entry shall be made in the miscellaneous history section of the AESR/MSR/ASR/SRC.
- d. SAME Server Administrator shall:
  - (1) Ensure SAME is networking properly.
  - (2) Reset logon passwords:
    - (a) Semi-Annually
    - (b) When compromised
    - (c) When SAME operators are changed or transferred
    - (d) When personnel with client access are changed or transferred.
  - (3) Perform daily system integrity check utilizing enclosure (3).
  - (4) Ensure Production Control personnel are granted viewer logon access only.
  - (5) Ensure NALCOMIS is not installed on the SAME System Server unless approved by TYCOM.
  - (6) Conduct backup processing.
    - (a) Refer to the SAME Server Administration Manual for backup procedures.



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(b) Backup database daily. Recommend using HOT SAME Automated Backup.

(c) Label backup tape with AV-3M ORG Code, drive, tape number, date and time of backup. For example, AIMD, NAS Lemoore, CA would label their first daily backup tape for drive " G" as P9F-SAME G-001, 15 May 00 1530.

(d) Rotate backup tapes ensuring a minimum of five backup tapes are retained.

(e) Perform a full system backup prior to shutting down the database (you would shut down the database when changing data files, control files, etc.).

(7) Utilize SAME operator manuals.

(a) Download, print, and have a basic understanding of what each manual contains. The most current manuals are installed on each workstation hard drive every time a new release or service pack is installed.

(b) Review the SAME web site monthly for revised edition at: <http://F18.INMEDIUS.COM> (User ID: same (lower case), Password: same (lower case) FST99 (upper case) i.e. sameFST99.

(8) Become familiar with SAME System Point of Contact Listing outlined in enclosure (4).

(9) Become familiar with Hardware Warranty procedures outlined in enclosure (5).

(10) Become familiar with SAME Firewall Connectivity Troubleshooting outlined in enclosure (6).

(11) Ensure every effort is made to request assistance for repair or technical assistance when SAME system is non-operational. Contact local NATEC SAME Technical Representatives prior to VSS help desks. If local NATEC Representative/VSS Representative is unable to bring your SAME system back to operational status, submit NATEC assist message IAW reference (h).

(12) Ensure SAME Situational Summaries (SITSUM) are submitted using enclosure (7) as a guide and as follows:

(a) Submit SAME SITSUM's message within 48 hours after failure of system.

(b) Ensure detailed information is included on problems encountered and corrective action taken.



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(c) Ensure appropriate Type Commander is the to Addressee, and info COMNAVAIRSYSCOM Code PMA-265, appropriate Type Wing and Carrier Air Wing/Marine Aviation Logistics Squadron.

e. Logs and Records shall:

(1) Perform Daily Processing.

(a) Screen all MAFs and ensure all engine transactions and component removal/installation data are applied to SAME.

(b) Document (enter and sign-off) all data updates and ensure Production Control, work center/shift supervisors are aware of all changes that occur.

(c) Manually enter LUI data for Test Cell runs.

(2) Perform Monthly Processing for engines/modules.

(a) Validate configuration reports between SAME database, AESR, and the Central Database.

(3) Provide Situational Processing.

(a) Ensure all removals and installations of engines, modules, assemblies, and components are reported in SAME.

(b) Ensure modifications to part numbers as a result of a TD are incorporated into the SAME database.

(c) Verify SAME LUI tracking report data and AESR/MSR upon engine acceptance, prior to transfer, or cannibalization of a module/component and ensure:

(1) Networking/data transfers is received upon engine acceptance.

(2) Electronically transfer engine data whenever a transfer occurs.

(3) A copy of 72T/72N reports (Engine Transfer/Engine Configuration) is inserted into logbooks prior to transfer of engines, modules, or components.

(d) When an engine/component is received, data files are received and initialized on the SAME system.

(e) Logbook EOT and ratio entries shall be derived from corrected SAME reports (72T/72N).

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3. SAME Reports/Records. The following SAME reports/records will be maintained on file in Production Control Logs and Records as follows:

<u>Report/Record</u>	<u>Minimum Retention</u>	<u>Notes</u>
Report 72T (Engine Transfer/ Acceptance)	Indefinitely	Provide to Logs and Records. Acceptance is filed in the AESR manila envelope.
Report 72N (A-F Engine Configuration)	6 Months	Generate as required.
SAME Admin Daily Checklist	15 Days	Backup of Drive G (Rotate 5 tapes)
SAME SITSUM Messages	1 Calendar Year	

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PRIMARY/ALTERNATE SAME OPERATOR OJT SYLLABUS

Trainee: \_\_\_\_\_ Date Started: \_\_\_\_\_

1. Primary SAME Operators shall complete the following under the direction of a SAME NATEC/Value System Services (VSS) SAME Technical Representative. Alternate SAME Operators shall complete the following under the direct supervision of a designated Primary SAME Operator:

a. Required reading:

- (1) COMNAVAIRPACINST 4790.60/COMNAVAIRLANTINST 4790.60/COMNAVAIRESFORINST 4790.19
- (2) SAME Operator's Manual
- (3) SAME Server Administration Manual
- (4) SAME Reference Guide
- (5) NADEP Jacksonville, FL MSG DTG 240452Z APR 00
- (6) COMNAVAIRPAC/COMNAVAIRLANT/COMNAVAIRESFOR MSG DTG 140026Z SEP 00

b. Required OJT tasks:

(1) Screen all Maintenance Action Forms (MAFs) and enter into SAME system the following Maintenance Actions:

(a) Engine removal/replacement

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

(b) Engine component  
removal/replacement

\_\_\_\_\_  
DATE SIGNATURE

(c) Mission Computer One  
removal/replacement

\_\_\_\_\_  
DATE SIGNATURE

(2) Strip TTM/DSU

\_\_\_\_\_  
DATE SIGNATURE



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- (3) Print In-flight Engine Condition  
Monitoring System (IECMS)  
reports with exceedance data

\_\_\_\_\_  
DATE SIGNATURE

- (4) Process NAVFLIR data ("O" Level):

- (a) Add NAVFLIR data

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

- (b) Match NAVFLIRS

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

- (c) Verify SAME data against  
daily rough flight log

\_\_\_\_\_  
DATE SIGNATURE

- (d) Correct flight data  
deficiencies

\_\_\_\_\_  
DATE SIGNATURE

- (5) Apply usage to MSDRS files

\_\_\_\_\_  
DATE SIGNATURE

- (6) Enter manual LUI for lost data

- (a) Engine acceptance

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

- (b) Engine transfer

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

- (7) Enter WAG

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

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- (8) Electronically transfer  
engine data

\_\_\_\_\_  
DATE SIGNATURE

- (9) Print SAME Report 82N:

\_\_\_\_\_  
DATE SIGNATURE

- (a) 100 EQUIV FLT HRS remain

\_\_\_\_\_  
DATE SIGNATURE

- (b) 25 EQUIV FLT HRS remain

\_\_\_\_\_  
DATE SIGNATURE

- (10) Backup processing using backup  
Drive

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

- (11) Verify SAME Report 72T, and  
engine/module AESR/MSR/ASR/  
SRC. Correct as necessary.

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

- (12) Verify SAME data files on  
newly received engine

\_\_\_\_\_  
DATE SIGNATURE

\_\_\_\_\_  
DATE SIGNATURE

- (13) Remove backup tape

\_\_\_\_\_  
DATE SIGNATURE

- (14) Insert new backup tape

\_\_\_\_\_  
DATE SIGNATURE

- (15) Check backup log

\_\_\_\_\_  
DATE SIGNATURE

- (16) Check Oracle Alert log

\_\_\_\_\_

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	DATE	SIGNATURE
(17) Check archive log purging	_____	_____
	DATE	SIGNATURE
(18) Check disk health	_____	_____
	DATE	SIGNATURE
(19) Check free drive space	_____	_____
	DATE	SIGNATURE
(20) Check packages and triggers	_____	_____
	DATE	SIGNATURE
(21) Check baseline last refresh	_____	_____
	DATE	SIGNATURE
(22) Check DAS Process Failures	_____	_____
	DATE	SIGNATURE
(23) Verify connectivity with the Central Database (NAVAIR7) (TNSPING80 NAVAIR7)	_____	_____
	DATE	SIGNATURE
	_____	_____
	DATE	SIGNATURE
(24) Manually apply Archive Transfer files on the SAME Server	_____	_____
	DATE	SIGNATURE
(25) Manually apply SAFE Transfer files on the SAME Server	_____	_____
	DATE	SIGNATURE
(26) Transfer engine or component to disk.	_____	_____
	DATE	SIGNATURE
	_____	_____
	DATE	SIGNATURE
(27) Receive engine or component from disk.	_____	_____
	DATE	SIGNATURE
(28) Disconnect/Reconnect SAME System (i.e. Disk Array, CPU, UPS, Cables)	_____	_____
	DATE	SIGNATURE
	_____	_____
	DATE	SIGNATURE



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SAME ADMIN DAILY CHECKLIST **FEB 08 2001**

NOTE: Check your configuration using Windows Explorer to confirm the paths below.

DATE: \_\_\_\_\_

TASK	COMMENTS	INITIALS
1. Remove backup tape.	On NT Backup - File- Eject Tape. Remove tape and then click OK.	
2. Insert new backup tape.	Ensure it is marked for today.	
3. Check backup log.	(drive):\Same\Sameworking\Backup\Monday'_SAMEBackup.log. Check for 'end of export = successfully; check for errors (" file skipped" , " tape not in drive" ..); ensure you see '0 files different'.	
4. Check Oracle Alert log.	(drive):\orant\RDBMS80\Trace\orclALRT.log. Go to the end of file and set cursor. Go to 'Search', find: " ora-" , select 'up', click next find. Check date if recent for these errors.	
5. Check archive log purging.	(drive):\orant\archlog_1 and (drive) :\orant\archlog_1 are identical (backup). Check if this contains 5 calendar days (may not be in succession - due to when last backup was done. HotOracleBackup purges every 5 days. NOTE: This can disable the whole system!!	
6. Check disk health.	Go to Disk Administrator, click on the mirrored or striped set and see if " Healthy" from bottom status.	
7. Check free drive space.	NT Explorer, My Computer. Check for 'space free' ; ensure no drive is less than 1GB.	
8. Check packages and triggers.	Start - Program - (s)AME v2.4 - Maintenix Administrator. Click the Object CheckSheet, PACKAGES tab, rt.clk - Filter - " Status = Invalid" - save filter OR Saved Filter tab and OK on saved filter. Perform the same for the TRIGGERS tab.	
9. Check Last Refresh.	Start - Program - (s)AME v2.4 - Maintenix Administrator. Click Database Explorer, Check for " Last Refresh" , make certain it's recent. (Do not use the 'Last Refresh' on the Object Check Sheet)	
10. Check DAS Process Failure.	Start - Program - (s)AME v2.4 -Data Stripping, Click on 'Process Failure'tab around and + any entries and Apply.	

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SAME SYSTEM POINT OF CONTACT LISTING

1. COMNAVIAIRPAC SAME POC: DSN: 735-4724/4014; COMM: 619-545-4724/4014.  
COMNAVIAIRLANT SAME POC: DSN: 564-7457/7749; COMM: 757-444-7457/7749.  
COMNAVIAIRESFOR SAME POC: DSN: 678-5919/6654; COMM: 504-678-5919/6654.
2. F404/414 Fleet Support Team (FST) Jacksonville, FL POC: DSN: 942-3576 X 120 or X 124; COMM: (904) 542-3576 X 120 or X 124.
3. F/A-18 FST NAS North Island, CA POC: DSN-735-3851; COMM: (619) 545-3851

SAME SOFTWARE/HARDWARE RELATED ISSUES

1. VSS SAME Technical Support, Patuxent River, MD  
COMM: 1-877-832-8917
2. VSS SAME TECH REP (NAS Lemoore, CA) DSN: 949-2384,  
COMM: 559-998-2384
3. NATEC SAME TECH REP (NAS Lemoore, CA) DSN: 949-1524,  
COMM: 559-998-1524
4. VSS SAME TECH REP (NAWC-WD China Lake, CA) DSN: 437-9838  
COMM: 760-939-9838
5. VSS SAME TECH REP (MCAS Miramar, CA) DSN: 267-6339/6098,  
COMM: 858-577-8851
6. NATEC SAME TECH REP (MCAS Miramar, CA) DSN: 267-4095,  
COMM: 858-577-4095
7. NATEC SAME TECH REP (JRB FT Worth, TX) DSN: 739-6212,  
COMM: 817-782-6212
8. VSS SAME TECH REP (NAS Oceana, VA) DSN: 433-5370,  
COMM: 757-433-5370

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SAME SYSTEM POINT OF CONTACT LISTING (cont'd)

9. NATEC SAME TECH REP (NAS Oceana, VA) DSN: 433-9153/3280,  
COMM: 757-433-9153/3280
10. VSS SAME TECH REP (MCAS Beaufort, SC) DSN: 335-6910,  
COMM: 843-228-6910
11. NATEC SAME TECH REP (MCAS Beaufort, SC) DSN: 335-7781,  
COMM: 843-228-7781
12. NATEC SAME TECH REP (MCAS Iwakuni, Japan) DSN: 253-3267, COMM: 011-81-  
6117-53-3267

FIREWALL CONNECTIVITY POINT OF CONTACTS

1. Pacific Region Network Operations Center (PR NOC) Hawaii DSN: 453-0128,  
COMM: 808-653-0128. For all Ships/Squadrons operating at sea in the Pacific  
Region area.
2. Indian Ocean Region Network Operations Center (IOR NOC) Bahrain DSN:  
318-439-3407/8, COMM: 011-97-3-74307/8. For all Ships/Squadrons operating  
in the Indian Ocean Region.
3. Defense Information Technology Center Japan (DITCJP) DSN: 243-5989,  
COMM: 011-81-311-743-5989. Atsugi firewall for CVW-5 when operating at  
Atsugi.
4. Defense Information Technology Center, Japan Region Network Operations  
Center (JR NOC) DSN: (315) 243-7297, COMM: 011-81-311-743-7297 (Yokosuka  
firewall for AIMD Kitty Hawk when Pier side in Yokosuka only).
5. United Atlantic Region Network Operations Center (UAR NOC) Norfolk,  
Virginia, DSN: 836-5004, COMM: (757)836-5004. For all Ships/Squadrons not  
deployed to the Mediterranean.
6. European Central Region Network Operations Center (ECR NOC) Naples,  
Italy, DSN: 314-626-6020. For all Ship/Squadrons deployed to the  
Mediterranean.
7. Marine Information Technology Network Operations Center  
(MIT NOC) Quantico, Virginia, DSN: 278-5300, COMM: (703)784-5300. For all  
Marine Squadrons not deployed.